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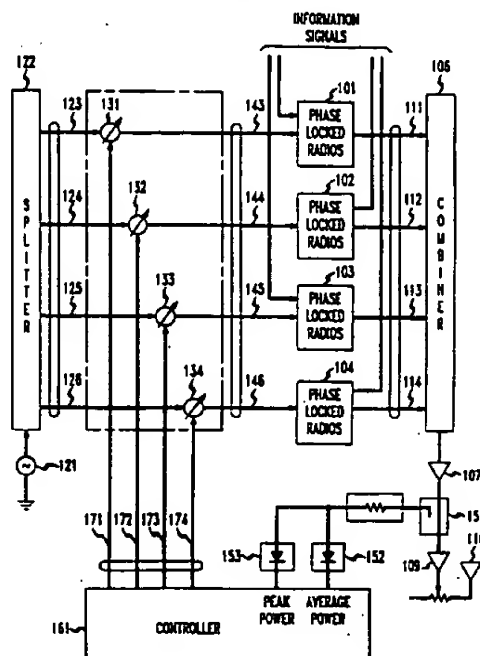
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(54) Method and apparatus for reducing the peak-to-average power in multi-carrier RF communication systems.

(57) Apparatus for controlling a system including a linear amplifier (109) processing a plurality of carrier signals (111-114) of a multi channel carrier system alters the phases (by 131-134) of one or more sources of the multi-channel signals in response to a detected peak envelope power (in 153) or of a peak to average power (in 152) ratio at regular scheduled intervals. This reduces the peak envelope power to average envelope power ratio and enables the reduction in the power rating required by the amplifiers handling the multi-channel signal.

FIG. 1



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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claims	CLASSIFICATION OF THE APPLICATION (Int.Cl.5)
A	US-A-5 045 799 (C. L. HOLECECK) * column 1, line 37 - column 2, line 7; figures *	1	H03G3/20 H03F1/32
P,A	--- PATENT ABSTRACTS OF JAPAN vol. 17, no. 508 (E-1431) 13 September 1993 & JP-A-05 130 191 (NIPPON MOTOROLA) * abstract *	1	
D,A	--- US-A-4 064 464 (A. W. MORSE) * column 1, line 48 - line 68 *	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.9)
			H03G H03F H04B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 26 April 1994	Examiner Blaas, D-L
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application I : document cited for other reasons & : member of the same patent family, corresponding document			

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